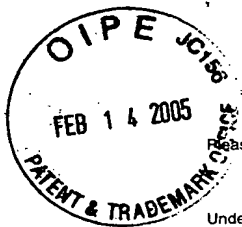


TRANSMITTAL FORM (to be used for all correspondence after initial filing)		Application Number	10/690,738
		Filing Date	October 21, 2003
		First Named Inventor	He, Yun
		Art Unit	1614
		Examiner Name	Not Yet Assigned
Total Number of Pages in This Submission		Attorney Docket Number	061877-5002US (021288-002010US)

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request (See Remarks) <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input checked="" type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <ul style="list-style-type: none">• Return postcard• Copy of Statement under 3.73(b)• Copy of Notice of Recordation Assignment with Assignment
Remarks		The Commissioner is authorized to charge any additional fees to Deposit Account 50-0310.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm or Individual	Morgan, Lewis & Bockius LLP Jeffrey S. Mann Reg. No. 42,837	
Signature		
Date	February 10, 2005	

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or printed name	Don Mixon		
Signature		Date	February 10, 2005



Please type a plus sign (+) inside this box →



PTO/SB/81 (02-01)
Approved for use through 10/31/2002. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

POWER OF ATTORNEY OR AUTHORIZATION OF AGENT	Application Number	10/690,738
	Filing Date	October 21, 2003
	First Named Inventor	He, Yun
	Title	Quinolones With Anti-HIV Activity
	Group Art Unit	1614
	Examiner Name	Not Yet Assigned
	Attorney Docket Number	061877-5002US (021288-002010US)

I hereby appoint:

☒ Practitioners at Customer Number **47930** → Place Customer Number Bar Code Label here

OR

☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☒ The above-mentioned Customer Number.

OR

☐ Firm or Individual Name

Address

City State ZIP

Country

Telephone Fax

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name	Timothy L. Smith, J.D., Ph.D., Power of Attorney on behalf of IRM LLC
Signature	
Date	1/21/05

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☒ *Total of 1 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any Comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



PTO/SB/96 (08-03)

Attorney Docket No. 021288-002010US

Client Ref. No.: P1082US10

STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Yun He, et al.Application No./Patent No.: 10/690,738Filed/Issue Date: October 21, 2003Entitled: QUINOLONES WITH ANTI-HIV ACTIVITYIRM LLC

(Name of Assignee)

a Delaware LLC

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by, percentage) of its ownership interest is ___ %

in the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Yun He, David Archer Ellis, Kelli L. Kuhen, Baogen Wu, Tao Jiang

To : IRM LLC

The document was recorded in the United States Patent and Trademark Office at Reel 013899, Frame 0315, or for which a copy thereof is attached.

2. From: Yun He, David Archer Ellis, Beth Marie Anacleto, Kelli L. Kuhen, Baogen Wu, Tao Jiang

To : IRM LLC

The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____

To : _____

The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

- ☒ Copies of assignments or other documents in the chain of title are attached.

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

3/29/04

Date

858-812-1547

Telephone number

Timothy L Smith

Typed or printed name

Timothy L Smith

Signature

General Power of Attorney

Title

Attorney Docket No.: 021288-002010US
Client Reference No.: P1082US10

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Yun He of 10632 Senda Acuario, San Diego, CA 92130; David Archer Ellis of 6227 Caminito Carrena, San Diego, CA 92122; Beth Marie Anaclerio of 10721 Ballystock Ct., San Diego, CA 92131; Kelli L. Kuhen of 2343-1 Caringa Way, Carlsbad, CA 92009; Baogen Wu of 3969 Nobel Dr., #278, San Diego, CA 92122; Tao Jiang of 10721 Calle Mar De Mariposa, San Diego, CA 92130 hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: **QUINOLONES WITH ANTI-HIV ACTIVITY**

Date(s) of execution of Declaration: 2/03/04, 2/16/04, 2/16/04, 2/19/04,
respectively

Filing Date: October 21, 2003

Application No.: 10/690,738; and

WHEREAS, IRM LLC, a private, non-profit, research organization, located at P.O. Box HM 2388, Hamilton HM LX, BERMUDA, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, Eighth Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 3/3/04

Yun He
Yun He

STATE OF CALIFORNIA)
)
COUNTY OF) ss.

On 3/3/04, before me, OFELIA ROSADO,
personally appeared Yun He, personally known to me (or proved to me on the basis of satisfactory
evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me
that he/she executed the same in his/her authorized capacity, and that by his/her signature on the
instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Ofelia Rosado

NOTARY PUBLIC



My Commission Expires: 4/9/06

Dated: 02/16/04

David Archer Ellis
David Archer Ellis

STATE OF CALIFORNIA)
)
COUNTY OF) ss.

On February 16th, 2004, before me, OFELIA ROSADO,
personally appeared David Archer Ellis, personally known to me (or proved to me on the basis of
satisfactory evidence) to be the person whose name is subscribed to the within instrument, and
acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her
signature on the instrument the person, or the entity upon behalf of which the person acted, executed the
instrument.

WITNESS my hand and official seal.

Ofelia Rosado
NOTARY PUBLIC

My Commission Expires: 4/9/06



Dated: 2/16/04

Beth Marie Anaclerio
Beth Marie Anaclerio

STATE OF CALIFORNIA)
)
COUNTY OF)

ss.

On February 16th, 2004, before me, OFELIA ROSADO, personally appeared Beth Marie Anaclerio, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



Ofelia Rosado
NOTARY PUBLIC

My Commission Expires: 4/9/06

Dated: 02/19/04

Kelli L. Kuhen
Kelli L. Kuhen

STATE OF CALIFORNIA)
)
COUNTY OF)

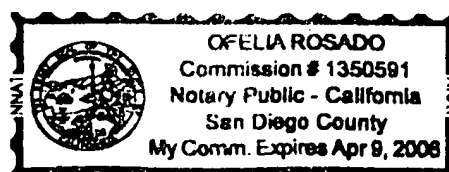
ss.

On 2/19/04, before me, OFELIA ROSADO, personally appeared Kelli L. Kuhen, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

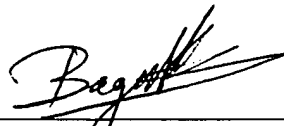
WITNESS my hand and official seal.

Ofelia Rosado
NOTARY PUBLIC

My Commission Expires: 4/9/06



Dated: 02/12/04


Baogen Wu

STATE OF CALIFORNIA)
)
COUNTY OF) ss.

On February 12th, 2004, before me, OFELIA ROSADO,
personally appeared Baogen Wu, personally known to me (or proved to me on the basis of satisfactory
evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me
that he/she executed the same in his/her authorized capacity, and that by his/her signature on the
instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

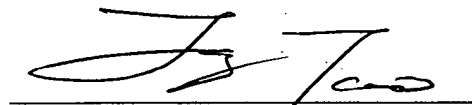
WITNESS my hand and official seal.




NOTARY PUBLIC

My Commission Expires: 4/9/06

Dated: 2/10/04


Tao Jiang

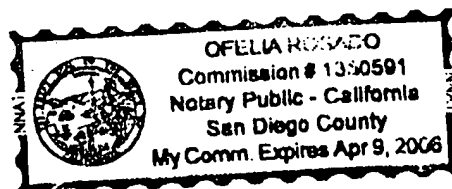
STATE OF CALIFORNIA)
)
COUNTY OF) ss.

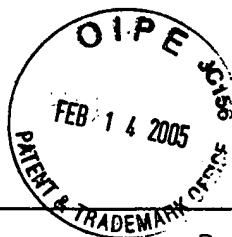
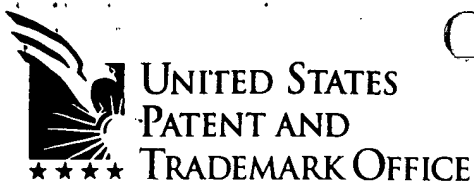
On February 10th, 2004, before me, OFELIA ROSADO,
personally appeared Tao Jiang, personally known to me (or proved to me on the basis of satisfactory
evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me
that he/she executed the same in his/her authorized capacity, and that by his/her signature on the
instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.


NOTARY PUBLIC

My Commission Expires: 4/9/06





021288-002000V
JSM, SF

AUGUST 26, 2003

PTAS

TOWNSEND AND TOWNSEND AND CREW LLP
JEFFRY S. MANN, PH.D.
TOW EMBARCADERO CENTER
8TH FLOOR
SAN FRANCISCO, CALIFORNIA 94111-3834

Deputy Under Secretary of Commerce For Intellectual Property and
Deputy Director of the United States Patent and Trademark Office
Washington, DC 20231
www.uspto.gov



102407018A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/31/2003

REEL/FRAME: 013899/0315
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

HE, YUN

DOC DATE: 01/23/2003

ASSIGNOR:

ELLIS, DAVID ARCHER

DOC DATE: 02/28/2003

ASSIGNOR:

KUHEN, KELLI L.

DOC DATE: 01/24/2003

ASSIGNOR:

WU, BAOGEN

DOC DATE: 01/13/2003

ASSIGNOR:

JIANG, TAO

DOC DATE: 02/24/2003

ASSIGNEE:

IRM LLC

P.O. BOX HM 2388

HAMILTON HM LX, BERMUDA

RECORDED BY 636

013899/0315 PAGE 2

SERIAL NUMBER: 60420163
PATENT NUMBER:

FILING DATE: 10/21/2002
ISSUE DATE:

ANTIONE ROYALL, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

04-02-2003

Attorney Docket No. 021288-002000US

Form PTO-1595

(Rev. 10-02)

OMB No. 0651-0027 (exp. 6/30/2005)

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U.S. Department of Commerce
U.S. Patent and Trademark Office

Tab settings → → → ▼

102407018

To the Honorable Commissioner of Patents and Trademarks, please record the attached original documents or copy thereof

1. Name of conveying party(ies):

Yun He
David Archer Ellis
Kelli L. Kuhen
Baogen Wu
Tao Jiang

3-31-03

2. Name and address of receiving party(ies)

Name: IRM LLCStreet Address: P.O. Box HM 2388City: Hamilton HM LX Country: BERMUDAAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No.

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other: _____

Execution Date: 1/23/03, 2/28/03, 1/24/03, 1/13/03, and 2/24/03,
respectivelyAdditional name(s) and address(es) attached? ☐ Yes ☒ NoOFFICE OF PUBLIC RECORDS
2003 MAR 31 AM 10:55
FINANCE SECTION

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No(s): 60/420,163

B. Patent No(s): _____

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Jeffry S. Mann, Ph.D.
TOWNSEND AND TOWNSEND AND CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834
(415) 576-02006. Total number of applications and patents involved 1

7. Total fee (37 CFR 3.41): _____ \$40.00

☐ Enclosed☒ Authorized to be charged to deposit account8. Deposit account number: 20-1430

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Jeffry S. Mann, Ph.D.Name of Person Signing
Atty. Reg. No. 42,837
SignatureMarch 25, 2003

Date

Total number of pages including cover sheet, attachments and document 5

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks, Box Assignments
Washington, D.C. 20231

ASSIGNMENT OF PROVISIONAL PATENT APPLICATION

JOINT

WHEREAS, Yun He of 10632 Senda Acuario, San Diego, CA 92130; David Archer Ellis of 1631 State St. #2, San Diego, CA 92101; Kelli L. Kuhen of 2340 Carol View Dr., Apt. 107, Cardiff by the Sea, CA 92007; Baogen Wu of 7588 Charmant Dr., Apt. 1924, San Diego, CA 92122; Tao Jiang of 10721 Calle Mar De Mariposa, San Diego, CA 92130 hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified provisional patent application:

Title of Invention: **QUINOLONES HAVING ANTI-HIV ACTIVITY**

Filing Date: **October 21, 2002**

Application No.: **60/420,163; and**

WHEREAS, IRM LLC, a Delaware LLC, located at P.O. Box HM 2388, Hamilton HM LX, BERMUDA, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on any patent application claiming priority from the same;

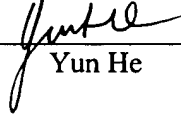
For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 1/23/2003


Yun He

STATE OF CALIFORNIA)

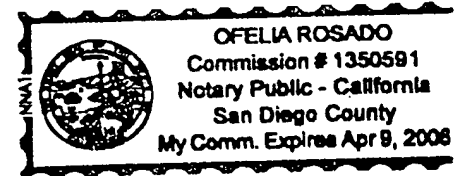
COUNTY OF San Diego)

ss.

On 1/23/03, before me, OFELIA ROSADO,
personally appeared Yun He, personally known to me (or proved to me on the basis of satisfactory
evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me
that he/she executed the same in his/her authorized capacity, and that by his/her signature on the
instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.


NOTARY PUBLIC



My Commission Expires: 4/9/06

Dated: 02-28-03


David Archer Ellis

STATE OF CALIFORNIA)

COUNTY OF San Diego)

ss.

On 2/28/03, before me, OFELIA ROSADO,
personally appeared David Archer Ellis, personally known to me (or proved to me on the basis of
satisfactory evidence) to be the person whose name is subscribed to the within instrument, and
acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her
signature on the instrument the person, or the entity upon behalf of which the person acted, executed the
instrument.

WITNESS my hand and official seal.


NOTARY PUBLIC



My Commission Expires: 4/9/06

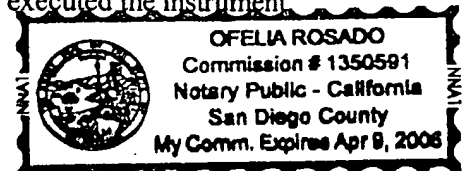
Dated: 1/24/03

Kelli L. Kuhen
Kelli L. Kuhen

STATE OF CALIFORNIA)
)
COUNTY OF San Diego) ss.

On 1/24/03, before me, OFELIA ROSADO,
personally appeared Kelli L. Kuhen, personally known to me (or proved to me on the basis of satisfactory
evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me
that he/she executed the same in his/her authorized capacity, and that by his/her signature on the
instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



Ofelia Rosado
NOTARY PUBLIC

My Commission Expires: 4/9/06

Dated: 1/13/03

Baogen Wu
Baogen Wu

STATE OF CALIFORNIA)
)
COUNTY OF) ss.

On 1/13/03, before me, OFELIA ROSADO,
personally appeared Baogen Wu, personally known to me (or proved to me on the basis of satisfactory
evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me
that he/she executed the same in his/her authorized capacity, and that by his/her signature on the
instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

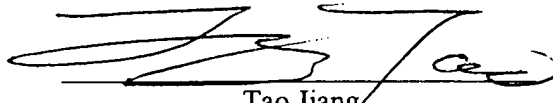
WITNESS my hand and official seal.



Ofelia Rosado
NOTARY PUBLIC

My Commission Expires: 4/9/06

Dated: 02/24/03


Tao Jiang

STATE OF CALIFORNIA)
)
COUNTY OF San Diego) ss.

On February 24th, 2003 before me, OFELIA ROSADO,
personally appeared Tao Jiang, personally known to me (or proved to me on the basis of satisfactory
evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me
that he/she executed the same in his/her authorized capacity, and that by his/her signature on the
instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.


NOTARY PUBLIC

My Commission Expires: 4/9/06

